

Date: Wed, 18 May 94 19:34:39 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #542
To: Info-Hams

Info-Hams Digest Wed, 18 May 94 Volume 94 : Issue 542

Today's Topics:

 3Y0PI QSL
 address for AH8J
 Azden PCS-2000 battery type?
 Digital Delay Circuit Ideas?
 Good Electronic Texts
 Gun Owners: Protect your Rights!
 How to suscribe to QST?
Income Opportunities from Investment Banker - Interested?
 MAIL ORDER PC PUBLISHING
 Man named Loomis invented radio?
 Need help with German Repaters
 Re strange 154.46 xmtns
 sacred frequencies
 What's the going price for a used TR751A???
 Willful Interference (3 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 18 May 94 13:54:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: 3Y0PI QSL
To: info-hams@ucsd.edu

After two other hams in my town received their QSLs from Peter 1, I
was begining to wonder if mine would ever arrive. I got it
yesterday!!! Another one under my belt that I don't have to worry

about now...

73's Evert WA50JI

Evert R. Halbach WA50JI

Internet - cs-erh@nich-nsunet.nich.edu

Phone - (504) 448-4999

Snail - P.O. Box 2168 Thibodaux, La. 70310

Date: 18 May 94 14:19:57 GMT

From: news-mail-gateway@ucsd.edu

Subject: address for AH8J

To: info-hams@ucsd.edu

Does anyone have an address for AH8J? Must be a pretty new call. He doesn't show up in the Buffalo database.

73,
Scott

Scott Ginsburg

Voice: 508-436-3836

Wellfleet Communications

Internet: ginsburg@wellfleet.com

2 Federal St.

Amateur Radio: WA2CJT

Billerica, MA 01821

Date: 18 May 94 15:10:28 GMT

From: agate!darkstar.UCSC.EDU!news.hal.COM!olivea!spool.mu.edu!

howland.reston.ans.net!xlink.net!nntp.gmd.de!Germany.EU.net!EU.net!uknet!nessie!
mucs!p4.cs.man.ac.uk!chardi@ucbvax.berkeley.

Subject: Azden PCS-2000 battery type?

To: info-hams@ucsd.edu

Hi,

I have one of these radios, but I bought it second-hand and I'm trying to find out the type of battery I should install for memory backup, as the battery holder is empty at the moment.

Cheers,

Ian.

--

[Ian Chard, Systems Integration | "In the noise and heat of what they call]
[Email: flup@cs.man.ac.uk | here the 'flying scissor-beans'..."]
[NTS: G7OMZ @ GB7ODM.#16.GBR.EU |]

Date: Wed, 18 May 1994 13:31:51 GMT
From: ncrgw2.ncr.com!ncrhub2!ranger!lawdept.daytonOH.ncr.com!jra@uunet.uu.net
Subject: Digital Delay Circuit Ideas?
To: info-hams@ucsd.edu

I'm designing a clock to be driven by my local frequency standard. My goal is to be able to set the second mark to better than 1 millisecond (and I hope eventually much better than that).

To do this, I need to build a variable delay that I can use to slew the seconds marker. Actually, I'll need a couple of delays, starting at a higher frequency for fine adjustment, and finally running at a lower one for course adjust. Obviously, for stability reasons I want to do this digitally and not with some sort of analog delay.

Any suggestions on CMOS devices (probably a presettable counter?) that would work well here? The larger the count range in a single chip, the better.

Thanks...

John AG9V
jra@lawdept.daytonOH.ncr.com

Date: 17 May 94 21:44:00 -0500
From: blkcat!org!fidonet!z1!n109!f239!David.Edger@uunet.uu.net
Subject: Good Electronic Texts
To: info-hams@ucsd.edu

I have come across some electronic textbooks that I think are really pretty special. If you are studying for an amateur license upgrade, or for a commercial radio license (like I am) and want to really get a good understanding of electronics without an engineering degree, you may want to give these books a look.

There are a series of nine books, all based on a military electronic training course, which have been revamped completely for a non-military audience. These books take you from zero to quite proficient in each subject area with no fuss. The pace is fast enough to keep the more knowledgeable interested, but not so fast that you are

assumed to know anything that is not in the book.

Titles in the series include:

Solid state devices

Amplifiers

Propagation, transmission lines and antennas (my favorite)

Microwave

Wave-generation circuits, etc. etc.

Cost is \$10.95 for each book plus shipping.

Order from Lathrop Publications, Box 207, Upper Marlboro, MD
20773.

He has ads in the most recent CQ and other ham magazines.

73, Dave AA5NU

Fidonet: David Edger 1:109/239

Internet: David.Edger@f239.n109.z1.fidonet.org

Date: 18 May 94 13:51:44 GMT

From: news-mail-gateway@ucsd.edu

Subject: Gun Owners: Protect your Rights!

To: info-hams@ucsd.edu

>| "No one NEEDS the HF frequencies, especially for some dumb ..hobby..
>Like all analogies, yours has a weakness: were HF frequencies designed
>to kill people?
>Dave Horsfall (VK2KFU)

given the technophobic luddites and chicken littles that seem to pervade society today, you can probably find more than a few people that are willing to subscribe to the idea that they are being killed by incidental RF energy exposure.

one local case, has people that moved next to Patrick AFB raising Cain over the Air Traffic Control radar and the military radars there causing them to suffer diseases because they know they're being exposed since they can hear the buzz on the radio....and it's not like they just plopped those down on the base last month.....

we also have the folks upset over the new doppler radars being installed by the US NWS - montel williams had a show that sensationalized the "dangers of the NEXRAD systems" - improved severe weather detection notwithstanding.

they don't want to be exposed to radio waves AT ALL! of course natural radio is OK because it's a natural occurrence rather than a synthetic man-made radio wave. (same logic that says a chlorine atom comes in 2 flavors - "organic" and "ionic"...jeez some folks need to take high school chem for the first time..)

a defense is to show that even if there is an effect, it's potential is small compared to the greater good of being able to call for the fire department or police that can more quickly respond due to radio dispatching....especially when they arrive on a scene and determine they either need more or less help and can notify the other units directly....

this can be extended to personal communications like cell radiophones and such.

bill wb9ivr

Date: 18 May 1994 08:54:15 -0400
From: newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!eff!news.umbc.edu!cs.umd.edu!dtix.dt.navy.mil!oasys.dt.navy.@@ihnp4.ucsd.edu
Subject: How to suscribe to QST?
To: info-hams@ucsd.edu

To order QST, send your name, address to:
American Radio Relay League
223 Main Street
Newington, Connecticut 06111
attn: QST subscription dept.

I believe the current price for the subscription is \$30 which includes a year's membership in the ARRL.

If you want to call for further info, the number for the ARRL is 203-666-1541.

Ken Stuart, W3VVN

Date: 19 May 94 01:57:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: Income Opportunities from Investment Banker - Interested?
To: info-hams@ucsd.edu

Please send inquiries/replies to: taford@delphi.com

Date: Tue, 17 May 1994 17:05:56 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-

state.edu!news.acns.nwu.edu!news.eecs.nwu.edu!tellab5!jwa@network.ucsd.edu
Subject: MAIL ORDER PC PUBLISHING
To: info-hams@ucsd.edu

In article <1.17632.3262.0N27CA24@dscmail.com> kenneth.hines@dscmail.com (Kenneth Hines) writes:

>Computer Owners: Earn 100% Commission Using & Selling
>The Mail Order PC Disk Publishing Start-Up Kit!
>Send for FREE details NOW!
>
>Send to:
> Donald E. Hines
> xxxxxxxway Blvd.
> Lancaster, Ohio 43130
>
>Please send \$1.00 to cover shipping & handling! (A MUST)
>or call 1-xxx-xxx-xxxx and upload file xxxx.PUB directly
>off my computer.
>
>Thanks
>

Now that's what I call advertising!

Jack Albert WA9FVP Fellow Radio Hacker
 Tele (708) 378-6201
Tellabs Operations, Inc. FAX (708) 378-6721
1000 Remington Blvd. jwa@tellabs.com
Bolingbrook, IL 60440

Date: 18 May 94 15:12:13 GMT
From: news-mail-gateway@ucsd.edu
Subject: Man named Loomis invented radio?
To: info-hams@ucsd.edu

Loomis' experiments were actually rather well documented, given the almost pseudo-science style of these early attempts at wireless communications. Loomis received a patent for his system, and tried to raise money to implement a commercial wireless network. His New York backers were wiped out in one of the frequent financial "panics" of the 19th century.

His patent was #129,971

His experiments were mentioned in Scientific American, Feb. 16, 1878;
Feb. 15, 1879; and Feb 22, 1879.

He died in 1886.

Our Field Day group operates from a site about 1/2 mile from the site Loomis used in the late 1860s and early 1870s (We're on the same ridge, one 'peak' (or what passes for a peak in the Blue Ridge) south of his site).

Kerry Kingham, WA4BQM kak@CygX3.usno.navy.mil
U.S. Naval Observatory
Washington, D.C.

Date: 18 May 94 13:19:39 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!newsserver.jvnc.net!siemens!
dep@ucbvax.berkeley.edu
Subject: Need help with German Repeaters
To: info-hams@ucsd.edu

I am planning a trip to Munich Germany this summer and I need information on German repeaters on 2 meters FM. I plan to take my HT with me if I can.

Also I need information on how to get a reciprocal license for Germany.

Any help would be appreciated.

Thanks

Dave Post
WA2QIK
Siemens
Princeton NJ
dep@scr.siemens.com

Date: 18 May 94 22:53:42 GMT
From: news-mail-gateway@ucsd.edu
Subject: Re strange 154.46 xmtns
To: info-hams@ucsd.edu

David Checkett WG0Y asks about automated/computerized transmissions on 154.46 MHz.

Karl Beckman WA8NVW replies that the freq 154.46375 is

allocated primarily for electric utility one-way communications for load control.

My FCC 90.63 suggests that 154.45625 MHz is also a likely prospect.

BOTH freqs are shared with Local Govt, Petroleum, Forest Products, Special Industrial, Business and Manufacturer Radio Services, so power companies are not necessarily the only source of this traffic. I suspect that Karl is on target with the most likely user. 154.46375 can be used up to 300w, 154.45625 is limited to 20 watts fixed, or 2 watts mobile.

Paul Marsh NOZAU Omaha pmarsh@metro.mccneb.edu

Date: 18 May 94 13:24:53 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!noc.near.net!news.delphi.com!
usenet@ucbvax.berkeley.edu
Subject: sacred frequencies
To: info-hams@ucsd.edu

Erich Franz Stocker <stocker@spsosun.gsfc.nasa.gov> writes:

>Also, I guess that kc was used because it is supposed
>to show a long term connection with radio. However, kc was always
>incorrect as used because it was always supposed to be kc/s. A time
>unit has to be provided to give a proper frame of reference. 14300
>kilocycles doesn't really provide any real useful information. One of the
>reasons that hertz is used is because it is a unit for cycle per second.

That argument doesn't wash. Kilocycle is MORE descriptive than kilohertz -- the first tells you HALF of what the unit is, while the second tells you nothing unless you already know what a "hertz" is defined as.

The fact is that kc and Mc were just as well understood without the "/s" as kHz and MHz are now.

Date: 18 May 94 16:11:17 GMT
From: news-mail-gateway@ucsd.edu
Subject: What's the going price for a used TR751A???
To: info-hams@ucsd.edu

Hello,

Can anyone tell me the going price for a used Kenwood TR751A multimode 2 meter tranceiver?

Thanks and 73

TJ, kv2x

--

Thomas J. Jennings | Tel: (716) 273 7071
Development Engineer | Fax: (716) 273 7262

ABB Process Automation
Post Office Box 22685
Rochester, New York 14692-2685 |

Internet: jennings@jennings.rochny.uspra.abb.com

Date: 18 May 1994 16:05:35 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
Subject: Willful Interference
To: info-hams@ucsd.edu

The second or third time someone takes an axe to the guy's electric meter he'll probably get the concept.

But first I'd see if the local TV station is interested - they are always looking for dirty laundry to air.

- Brian

Date: Wed, 18 May 1994 16:38:06 GMT
From: brunix!pstc3!md@uunet.uu.net
Subject: Willful Interference
To: info-hams@ucsd.edu

In article <B4sHmc4w165w@voxbox.norden1.com>,
jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT) writes:

|> During a repeater war between two repeaters about 75 miles apart
|> which insisted on using the same pair, with one upside down, the
|> winning side accomplished it by sneaking to the other town and
|> putting a small battery powered white noise generator near the
|> site. The resulting noise desensitized the receiver so much the
|> repeater was unuseable unless you were close enough to hit it

|> with a snowball. None of the victims thought to use a non-FM
|> receiver for tracking possible QRM and thought the problem was
|> inside their hardware.
|>
|> Do the same to this turkey. Render it impossible for him to hear
|> without even setting foot on his property. He'll soon tire of
|> talking to himself.

Interesting concept. You condone jamming jammers then? I thought that
type of mentality was limited to 27mhz.

Then again, 27mhz, 144mhz... Its all the same today.

MD

--

-- Michael P. Deignan
-- RI Center For Political Incorrectness & Environment Ignorance
-- 'Have you hugged your chainsaw today?'

Date: 18 May 94 20:33:00 GMT
From: agate!howland.reston.ans.net!usenet.ins.cwru.edu!ns.mcs.kent.edu!
kira.cc.uakron.edu!malgudi.oar.net!hypnos!voxbox!jgrubs@ucbvax.berkeley.edu
Subject: Willful Interference
To: info-hams@ucsd.edu

-----BEGIN PGP SIGNED MESSAGE-----

md@maxcy2.maxcy.brown.edu (Michael P. Deignan) writes:

> Interesting concept. You condone jamming jammers then?

In a word, YES.

> I thought that
> type of mentality was limited to 27mhz.

Why do you take the position that non-violent self-defence is
wrong? The FCC won't act.

> Then again, 27mhz, 144mhz... Its all the same today.

Aha, an anti-no-coder!!

-----BEGIN PGP SIGNATURE-----

Version: 2.5

iQCVAgUBldp8Z8mzkeX3rfUNAQGcYQP9HuX7LVr8cn7KA16SGn3JDaV0XykUF700
xE/4e/kodcqmdWxuX1bilBSF93VH88iuwKgol4mwcQzWdU25pmcAq1o+029rarJA
ADRDpQj8BB2ysVdmDMYUbpK1WJ2RK5TAaC0A7bzGmt7EjWdYN+TNBAxQkD/ICRxD
+Jp5jYuhz7s=
=Nzng

-----END PGP SIGNATURE-----

```
+-----+
| Jim Grubs, W8GRT          Voxbox Enterprises   THIS SPACE FOR RENT |
| jgrubs@voxbox.norden1.com 6817 Maplewood Ave.  RATES REASONABLE  |
| Fido: 1:234/1.0          Sylvania, Ohio 43560 Home: 419/882-2697 |
|                            AMATEUR RADIO - The National Park of the Mind |
+-----+
```

Date: 18 May 1994 16:30:52 GMT

From: usc!cs.utexas.edu!swrinde!emory!news-feed-2.peachnet.edu!news-
feed-1.peachnet.edu!news.duke.edu!zombie.ncsc.mil!cs.umd.edu!

newsfeed.gsfc.nasa.gov!trmmstocker.gsfc.nasa.gov!@@ihnp4.ucsd.edu

To: info-hams@ucsd.edu

References <94137.114515TONY@wvnm.wvnet.edu>,
<1994May18.061220.16459@ke4zv.atl.ga.us>,
<patrick_tatro.45.7C558180@stortek.com>ews

Subject : Re: Need Advice

In article <patrick_tatro.45.7C558180@stortek.com> Patrick Tatro,
patrick_tatro@stortek.com writes:

> LONG LIVE HF and GOD BLESS the MORSE CODE

>

> **** Just Poking a little fun ****

> 73's

> Patrick N0WCG

LONG LIVE SPARK, AM and TUBES!! Down with CW, packet, ICs. -:)

* Erich Franz Stocker *

* N30XM *

* stocker@spso.gsfc.nasa.gov *

* *

* My ideas are my own and do not represent*

```
* the opinions of the federal government, *
* NASA or Goddard Space Flight Center.   *
*****
```

Date: Tue, 17 May 1994 12:32:49 -0400
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!news.acns.nwu.edu!ftpbox!mothost!
lmpsbbs!NewsWatcher!user@network.ucsd.edu
To: info-hams@ucsd.edu

References <4ewwLc1w165w@voxbox.norden1.com>,
<1994May13.145055.1@tttd.teradyne.com>, <Cpwy15.Dxp@cbnewsc.cb.att.com>
Subject : Re: Was this a bad idea?

In article <Cpwy15.Dxp@cbnewsc.cb.att.com>, k9jma@cbnewsc.cb.att.com (edwin.m.schaefer) wrote:

> A similar case arises in aviation. The FAA rules say (paraphrased) that the
> pilot in command is the final authority as to the safe operation of the
> aircraft, and that the pilot in command may deviate from any rule to the
> extent necessary to meet an emergency. However, these statements don't
> operate to prevent enforcement of the same or other rules after the pilot
> has exercised this "authority" in case of an emergency. For example, it is
> a separate violation of a rule against "careless or reckless" operation to
> allow oneself to get into a situation where the emergency "authority" must
> be exercised.

```
> So, there's a kind of Catch-22 situation in that the law or rule may say
> you can break other rules in some circumstances - but it doesn't say that
> the rule against breaking rules can't or won't be enforced.
```

> Better not tempt the enforcers - unless it really will save your life.

```
> Ed Schaefer           K9JMA ham radio           N97178 aviation
```

Note that the FAA rule says the PILOT, not John Q Public, who has not already been certified as a pilot. And in my first comment I also stressed that the Part 97 wording applies ONLY to licensed stations, not John Unlicensed Public. Some folks appear to be quoting far more than what is printed in black and white.

As I said the first time: Was it legal? NO. Should you do it again? Absolutely!

— —

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Karl Beckman, P.E.           < Genius may have its limitations, but >
Motorola LMPS- Analog Data   < stupidity is not thus handicapped. >
```

< - Elbert Hubbard >

The statements and opinions expressed here are not those of Motorola Inc.
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA NavyMARS VBH @ NOGBN.NOASI

Date: 18 May 94 23:54:52 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!
prairienet.org!dhughes@ucbvax.berkeley.edu
To: info-hams@ucsd.edu

References <linleyCpKosM.6qE@netcom.com>, <2r5r5c\$qa5@crl2.crl.com>,
<Cpw8x7.2Ar@ryn.mro.dec.com>
Reply-To : dhughes@prairienet.org (Dan Hughes)
Subject : Re: Best AA NiCads?

For what it's worth, I recently bought an Eveready nicad charging station
(about 15 or 20 bucks) that charges AA, AAA, C, and D in three hours.
I've used it with my Radio Shack nicads, and they work fine with this
system. (After the batteries are charged--three hours--the little red
light goes out to indicate they are ready for use. I assume the charge
is stopped or lowered when this happens?

Also--this unit charges 9-volt nicads too, but it takes a full 12 hours
to get them up to 100%. Why the difference in 9V vs. everything else?
Maybe because you're charging 6 cells vs. one cell?

--

End of Info-Hams Digest V94 #542
